

## CLAIMS

1. A composition for cell proliferation containing a purine nucleic acid-related substance and a pyrimidine nucleic acid-related substance.  
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2. A composition for cell proliferation according to Claim 1, wherein the purine nucleic acid-related substance is at least one member selected from adenine nucleic acid-related substances and the pyrimidine nucleic acid-related substance is at least one member selected from uracil nucleic acid-related substances.  
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3. A composition for cell proliferation according to Claim 1, wherein the purine nucleic acid-related substance is adenosine monophosphate or a salt thereof and the pyrimidine nucleic acid-related substance is uridine monophosphate or a salt thereof.  
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4. A composition for cell proliferation according to Claim 1, wherein the composition contains the purine nucleic acid-related substance in a proportion of at least 0.01% by weight.  
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5. A composition for cell proliferation according to Claim  
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- 1, wherein the composition contains the purine nucleic acid-related substance in a proportion of 0.01 to 10% by weight.
6. A composition for cell proliferation according to Claim 1, wherein the composition contains the pyrimidine nucleic acid-related substance in a ratio of 0.01 to 100 parts by weight per part by weight of the purine nucleic acid-related substance contained in the composition.
7. A composition for cell proliferation according to Claim 1 that is used for a purpose selected from the group consisting of anti-aging, moisturizing, anti-acne, skin whitening, anti-sagging, anti-dullness, anti-wrinkle, hair growth, anti-dandruff, nail beautifying, and wound healing.
8. A composition for cell proliferation according to Claim 1 that is used for a purpose selected from the group consisting of anti-aging, moisturizing, anti-acne, skin whitening, anti-sagging, anti-dullness, anti-wrinkle, hair growth, nail beautifying, and wound healing.
9. A composition for cell proliferation according to Claim 1 that is used for the purpose of an anti-wrinkle effect.
10. A method for potentiating a cell proliferation promoting

effect of a purine nucleic acid-related substance by using a purine nucleic acid-related substance in combination with a pyrimidine nucleic acid-related substance.

5 11. A method for potentiating a cell proliferation promoting effect according to Claim 10, wherein the purine nucleic acid-related substance is at least one member selected from adenine nucleic acid-related substances and the pyrimidine nucleic acid-related substance is at least one member selected  
10 from uracil nucleic acid-related substances.

12. A method for potentiating a cell proliferation promoting effect according to Claim 10, wherein the purine nucleic acid-related substance is at least one member selected from  
15 the group consisting of adenine, adenosine, adenosine phosphates, hypoxanthine, inosine, inosinic acid, and salts thereof, and the pyrimidine nucleic acid-related substance is at least one member selected from the group consisting of uracil, uridine, uridine phosphates, deoxyuridine, deoxyuridine  
20 phosphates, and salts thereof.

13. A method for potentiating a cell proliferation promoting effect according to Claim 10, wherein the purine nucleic acid-related substance is adenosine monophosphate or a salt  
25 thereof, and the pyrimidine nucleic acid-related substance is

uridine monophosphate or a salt thereof.

14. A method for potentiating a cell proliferation promoting effect according to Claim 10, wherein the method comprises using  
5 the pyrimidine nucleic acid-related substance in a ratio of 0.01 to 100 parts by weight per part by weight of the purine nucleic acid-related substances.
15. A method for potentiating a cell proliferation promoting  
10 effect according to Claim 10, wherein the method comprises incorporating the pyrimidine nucleic acid-related substance into a composition containing the purine nucleic acid-related substance.
- 15 16. A method for potentiating a cell proliferation promoting effect according to Claim 15, wherein the composition contains the purine nucleic acid-related substance in a proportion of at least 0.01% by weight.
- 20 17. A method for potentiating a cell proliferation promoting effect according to Claim 15, wherein the composition contains the purine nucleic acid-related substance in a proportion of 0.01 to 10% by weight.
- 25 18. A method for potentiating a cell proliferation promoting

effect according to Claim 15, wherein the composition is an externally-applied composition for the skin or mucosa.

19. A method for potentiating a cell proliferation promoting  
5 effect according to Claim 15, wherein the composition is used  
for a purpose selected from the group consisting of anti-aging,  
moisturizing, anti-acne, skin whitening, anti-sagging,  
anti-dullness, anti-wrinkle, hair growth, anti-dandruff, nail  
beautifying, and wound healing.

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20. A method for potentiating a cell proliferation promoting  
effect according to Claim 15, wherein the composition is used  
for a purpose selected from the group consisting of anti-aging,  
moisturizing, anti-acne, skin whitening, anti-sagging,  
15 anti-dullness, anti-wrinkle, hair growth, nail beautifying,  
and wound healing.

21. A method for potentiating a cell proliferation promoting  
effect according to Claim 15, wherein the composition is used  
20 for the purpose of an anti-wrinkle effect.

22. A method for promoting cell proliferation by applying to  
the skin or mucosa a purine nucleic acid-related substance in  
combination with a pyrimidine nucleic acid-related substance.

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23. A method for promoting cell proliferation according to Claim 22, wherein the purine nucleic acid-related substance is at least one member selected from adenine nucleic acid-related substances and the pyrimidine nucleic acid-related substance is at least one member selected from uracil nucleic acid-related substances.

24. A method for promoting cell proliferation according to Claim 22, wherein the purine nucleic acid-related substance is at least one member selected from the group consisting of adenine, adenosine, adenosine phosphates, hypoxanthine, inosine, inosinic acid, and salts thereof, and the pyrimidine nucleic acid-related substance is at least one member selected from the group consisting of uracil, uridine, uridine phosphates, deoxyuridine, deoxyuridine phosphates, and salts thereof.

25. A method for promoting cell proliferation according to Claim 22, wherein the purine nucleic acid-related substance is adenosine monophosphate or a salt thereof, and the pyrimidine nucleic acid-related substance is uridine monophosphate or a salt thereof.

26. A method for promoting cell proliferation according to Claim 22, wherein the method comprising using the pyrimidine nucleic acid-related substance in a ratio of 0.01 to 100 parts

by weight per part by weight of the purine nucleic acid-related substance.

27. A method for promoting cell proliferation according to  
5 Claim 22, wherein the method comprising applying to the skin  
or mucosa a composition containing the purine nucleic  
acid-related substance and the pyrimidine nucleic acid-related  
substance.

10 28. A method for promoting cell proliferation according to  
Claim 27, wherein the composition contains the purine nucleic  
acid-related substance in a proportion of at least 0.01% by  
weight.

15 29. A method for promoting cell proliferation according to  
Claim 27, wherein the composition contains the purine nucleic  
acid-related substance in a proportion of 0.01 to 10% by weight.

20 30. A method for promoting cell proliferation according to  
Claim 27, wherein the composition is an externally-applied  
composition for the skin or mucosa.

25 31. A method for promoting cell proliferation according to  
Claim 27, wherein the composition is a cosmetic or an  
externally-applied medical or quasi-medical drug.

32. A method for promoting cell proliferation according to Claim 22, wherein the composition is used for a purpose selected from the group consisting of anti-aging, moisturizing, anti-acne, skin whitening, anti-sagging, anti-dullness, anti-wrinkle, hair growth, anti-dandruff, nail beautifying, and wound healing.
33. A method for promoting cell proliferation according to Claim 22, wherein the composition is used for a purpose selected from the group consisting of anti-aging, moisturizing, anti-acne, skin whitening, anti-sagging, anti-dullness, anti-wrinkle, hair growth, nail beautifying, and wound healing.
34. A method for promoting cell proliferation according to Claim 22, wherein a composition is used for the purpose of an anti-wrinkle.
35. Use of a purine nucleic acid-related substance and a pyrimidine nucleic acid-related substance for the preparation of a composition for cell proliferation.
36. Use of a pyrimidine nucleic acid-related substance for potentiating a cell proliferation promoting effect of a purine nucleic acid-related substance.



37. Use of a purine nucleic acid-related substance and a pyrimidine nucleic acid-related substance for promoting cell proliferation.

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38. Use of a purine nucleic acid-related substance and a pyrimidine nucleic acid-related substance for exhibiting an anti wrinkle effect.